

Message

From: Welch, August [WelchA@cdmsmith.com]
Sent: 6/23/2016 8:37:57 PM
To: Cirian, Mike [Cirian.Mike@epa.gov]
CC: Repine, Damon [RepineDL@cdmsmith.com]; Coan, Sean [CoanSM@cdmsmith.com]; Formanek, Erin [formanekek@cdmsmith.com]
Subject: FW: CFAC ISM Sampling
Attachments: removed.txt

Mike,

Erin, Sean and I have discussed our recommendations for which grids to resample and have come up with Grids 2, 6 and 8. Grid 2 was in the area where passive soil gas sampling indicated contamination was present, Grid 6 includes Roux's QA/QC samples and Grid 8 is down gradient of the leachate pond.

Will you please pass on to Drew our recommendations and rationale for selecting grid cells for resampling? The sooner we can relay these recommendations the better as they will likely begin re-sampling as soon as tomorrow.

We will also want to request a formal field mod from Roux for the change. Sean, Erin and I will have some items that we would like to request from Roux in the field mod. It is my understanding that Roux will write up a revised SOP for the new sampling method but we will want to document the change with a formal field mod so that we can track the open issues with regards to our data quality objectives. Please give us a day to collaborate and we will be able to send you our requests for items to include in the field modification and I will send you an email with our requests that you can pass on to Roux.

But first, if you can go ahead and pass on our recommendation that 2, 6 and 8 be re-sampled, that would be appreciated.

August

From: Andrew Baris [mailto:abaris@rouxinc.com]
Sent: Thursday, June 23, 2016 1:54 PM
To: Cirian, Mike (Cirian.Mike@epa.gov) <Cirian.Mike@epa.gov>
Cc: Hoogerheide, Roger <Hoogerheide.Roger@epa.gov>; Repine, Damon <RepineDL@cdmsmith.com>; Welch, August <WelchA@cdmsmith.com>; John.Stroiazzi@glencore-ca.com; Steve Wright - CFAC <swright@cfaluminum.com>; Michael Ritorto <mritorto@rouxinc.com>; Amy Hoffmann <ahoffmann@rouxinc.com>; Laura Jensen <ljensen@rouxinc.com>
Subject: CFAC ISM Sampling

Mike:

This email is in follow-up to our call yesterday regarding the Incremental Sampling Methodology (ISM) being implemented at the Site to sample soil within 43 Decision Units, each approximately 1 acre in size, within the Operational Soil Area of the Site. As discussed yesterday on the call, EPA and CDM Smith were concerned that the field sampling and processing of the ISM samples was not in conformance with the ITRC ISM guidance as referenced in the work plan. As a result of our discussion and based upon follow-up discussions with Test America Laboratories, our contracted lab, we will discontinue the field processing of the samples. Instead, the samples (approximately 1 kilogram bulk samples, comprised of 32 aliquots from each DU) will be shipped to Test America Laboratories where the samples will be pre-processed and prepared in accordance with their Standard Operating Procedure for ISM samples.

In addition, we reviewed the actual sampling techniques in the field today with August Welch of CDM Smith, and it was agreed that moving forward the team will be using the "wedge" approach to obtain representative aliquots from the Geoprobe cores obtained at each of the 32 borings locations that make up each DU.

We had previously completed 15 of the 43 DUs using the field processing approach that will be discontinued. We are proposing to go back and resample three of those DUs (i.e., 20 percent resampling) using the wedge sampling and laboratory processing approach described above. This resampling will allow comparison of the results from the two methods, and for assessment of whether or not the initial sampling approach resulted in any bias relative to the sampling and processing methods we will following henceforth.

I believe that the adjustments described above should resolve the concerns raised on the call yesterday. Please let me know if you have any questions or require any further documentation regarding this matter.

Regards,

Drew Baris

Andrew Baris
Vice President / Principal Hydrogeologist
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